

3006-0011

NOTES

1. MATING:

Interface dimensions per Solitron/Microwave MD-101.

2. MATERIALS:

All Metal Parts Except

Crimp Ring, Lock Ring,

& Outer Contact: _____ Brass per QQ-B-626, 1/2 Hard, Alloy 360.

Crimp Ring: _____ Copper per WW-T-799, Type K,
Form A, Class 1.Lock Ring: _____ Phosphor Bronze per ASTM-B159,
Alloy 51000, Temp. H08.Outer Contact: _____ Beryllium Copper per QQ-C-530,
Cond. H.T., Alloy 173.Gasket: _____ Silicone Rubber per ZZ-R-765,
Class IIB, Grade 50-60.Insulator: _____ Teflon per Mil-P-19468 and
L-P-403, Type I.Shrink Tubing: _____ SCL Polyolefin per Mil-I-23053/4
(Blk).3. FINISH:

All Metal Parts Except

Body, Coupling Nut

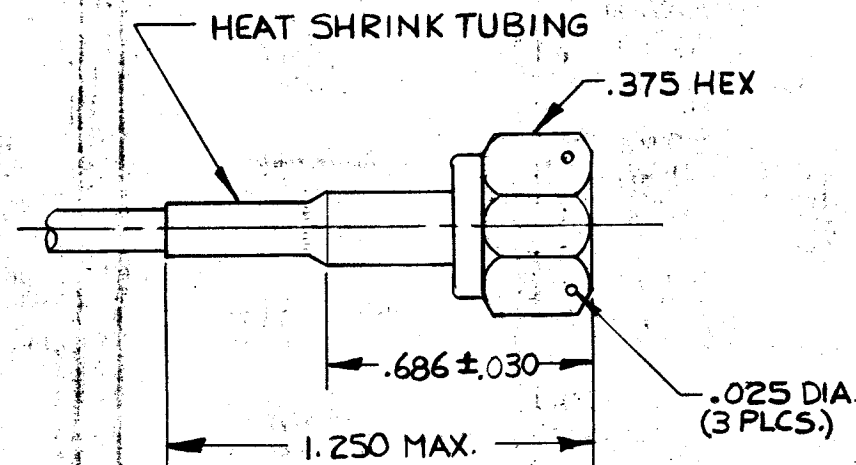
& Lock Ring: _____ Gold per Mil-G-45204, Type II,
Grade C, Class 2; over Copper per
Mil-C-14550, Class 4.Body & Coupling Nut: _____ Silver with Iridite per QQ-S-365,
Type II, Grade A.

Lock Ring: _____ None.

4. Cable Assembly

Instructions: _____ per S/M 300-80-388.

5. Connector accommodates RG-174, 179, 187, 188 & 316/U Cables.



SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED			SOLITRON/MICROWAVE		REF.	
—	REL F-8441	7-23-81	RE	1. ALL DIMENSIONS ARE AFTER PLATING 2. BREAK ALL CORNERS & EDGES .005 R MAX. 3. CHAMFER 1ST & LAST THREADS 45° 4. SURFACE ROUGHNESS 63 ✓ MIL-STD-10 5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R. 6. REMOVE ALL BURRS			PORT SALERNO, FLORIDA		ENGINEERING DATA DRAWING	
				DIMENSIONS ARE IN INCHES TOLERANCES			MATERIAL		TITLE	
				DECIMALS .X ± .030 .XX ± .015 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X' ± 1'0" X'X' ± 15'	FINISH //		AREA //	
				DRAWN RLP DATE 7-23-81			SCALE	CODE IDENT. NO.	SIZE	DRAWING NO.
				CHECKED RE DATE 7-23-81				95077	A	
				APPROVED DGG DATE 7/23/81						3006-0011

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S/M DESIGN STANDARDS

DRAWING NO.
3006-0011

REQUIREMENTS

RATINGS

Nominal Impedance (ohms)

50

Frequency Range (ghz)

DC-12.4

Voltage Rating (max. vrms)

250

Temperature Rating (degrees centigrade)

-65° to +165°

VSWR (max.)

1.10 + .020 x FGHZ

Insertion Loss (dB max.)

.05 x \sqrt{F} GHZ

RF Leakage (min. dB down)

60 dB-FGHZ

RF High Potential (max. vrms)

500 at 5MHz

Dielectric Withstanding Voltage (max. vrms)

750

Insulation Resistance (min. megohms)

5000

Contact Resistance:

Center Contact (max. milliohms)

2.0

Outer Contact (max. milliohms)

0.2

Center Contact Axial Forces:

Insertion (max. ounces)

24.0

Withdrawal (min. ounces)

2.0

Connector Durability (min. cycles)

500

Connector Engagement & Disengagement
(max. inch lbs.)

2.0

REQUIREMENTS

RATINGS

Vibration

MIL-STD-202

Method 204

Cond. D (20G's)

Shock

MIL-STD-202

Method 213

Cond. I (100G's)

Temperature
Cycling

MIL-STD-202

Method 102 - Cond. C

(-65°C to + 200 °C)

Corrosion

MIL-STD-202

Method 101

Cond. B (48 Hrs.)

Moisture
Resistance

MIL-STD-202

Method 106

Less Step 7b

Barometric Pressure
(Altitude)

MIL-STD-202

Method 105 - Cond. C

(70,000 ft) (190 vrms)

REMARKS: 1) Recommended Mating Torque: 4-6 inch pounds.

TITLE: TM CRIMP TYPE PLUG

SOLITRON / MICROWAVE
PORT SALERNO, FLORIDA

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DRAWING NO.

3006-0011

REV.

-

Mouser Electronics

Authorized Distributor

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